

### REMARKS

The Examiner uses any one of Satterfield, Kang, Park, Fujiwara or Koopman to reject claims 1 and 8 as having been anticipated.

Claims 1 and 8 have been amended to recite "in a single clock cycle, concatenating..., shifting..., and storing," or similar language. This feature is not disclosed or suggested in Satterfield, Kang, Park, Fujiwara or Koopman, and thus claims 1 and 8, as amended, were not anticipated by or would have been obvious from Satterfield, Kang, Park, Fujiwara or Koopman.

Each of the cited references uses multiple clock cycles in multiple steps to accomplish multiple tasks. For example, Satterfield discloses:

Now looking at the bottom portion of FIG. 16, the result of two IDB operations (here M1 is the same width as M2) is stored in a 16 bit Shift Register 570. The two operations as shown in this figure are ADD 110, but in another implementation, not shown, could include other logic/mathematic operators. However the 16 bits of IDB are modified, they are stored in Shift Register 570, where similar to the discussion about the top portion of this figure, only a portion of the 16 bits are modified by the XOR 574. This XOR (574) has the effect of modifying the top four bits of the IDB byte (8 bits) in the lower half of 576 and the lower 4 bits in the IDB byte in the upper half of 576. The output 577 of the Shift Register 576 are moved 8 bits at a time to EDB 579 whose output 580 is placed into an output buffer in a normal fashion as per prior discussions.

(Col. 21, lines 65-67; col. 22, lines 1-12) These functions take Satterfield multiple cycles to perform.

Kang discloses:

As shown in FIG. 3, if a first 8-bit segment "111X XXXX" from the second register 28 and a second 8-bit segment "1000 0011" from the fourth register 34 are inputted over parallel leads 25 and 35, the first barrel shifter 32 is responsive to a codeword length signal "M", i.e., M=3, on the lead 31 produced at the third register 30, to form an 8-bit window on its 16-bit inputs. The position of the 8-bit window is determined by shifting the window by M bits from the left-hand side of the 16-bit inputs. That is, the selection of M bits out of the first segment "111X XXXX" from the left-hand side and another selection of (8-M) bits out of the second segment "1000 0011" from the right-hand side remove the five

meaningless bits of the first segment "111X XXXX", thereby to concatenate the variable-length codewords. After forming the window, the first barrel shifter 32 produces an 8-bit window output segment "0001 1111" to the fourth register 34 via the lead 33.

(Col. 5, lines 8-26) These functions take Kang multiple steps to perform.

In an identical fashion, Park, Fujiwara and Koopman disclose multiple clock cycles in multiple steps to accomplish multiple tasks. Using multiple clock cycles in multiple steps to accomplish multiple tasks is different from "in a single clock cycle, concatenating..., shifting..., and storing." Accordingly, claims 1 and 8 were not anticipated by or would have been obvious from Satterfield, Kang, Park, Fujiwara or Koopman.

Dependent claims 2-7 and 9-14 are patentable for at least the same reasons as claims 1 and 8.

The fact that the applicants have not responded to any stated positions by the Examiner should not be construed as a concession by the applicants of those positions. The inclusion by the applicants of arguments for patentability should not be construed as a concession by the applicants that there are not other good reasons for patentability of those claims or other claims.

Please apply other charges or credits to deposit account 06-1050.

Respectfully submitted,

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